

Material Declaration



Package Type	Plastic
Package Size	14 x 9.8 mm
Terminal Finish	Matte Tin
Finish Thickness	8 microns
Weight (mg)	1060.000
MSL	2

Series	CPO
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Item	Material	Element	Content (mg)	Content (wt%)	CAS #	
Cover		Nickel (Ni)	24.516	2.313%	7440-02-0	
		Copper (Cu)	82.977	7.828%	7440-50-8	
		Iron (Fe)	0.314	0.030%	7439-89-6	
		Manganese (Mn)	0.629	0.059%	7439-96-5	
		Zinc (Zn)	17.287	1.631%	7440-66-6	
Base		Iron (Fe)	214.519	20.238%	7439-89-6	
		Nickel (Ni)	5.389	0.508%	7440-02-0	
		Silicon (Si)	0.021	0.002%	7440-33-7	
		Carbon C	0.060	0.006%	7440-44-0	
		Manganese (Mn)	0.516	0.049%	7439-96-5	
		Sulfur	0.022	0.002%	7704-34-9	
		Phosphorus (P)	0.030	0.003%	7723-14-0	
		Tin (Sn)	1.919	0.181%	7440-31-5	
		Silver (Ag)	0.384	0.036%	7440-22-4	
		Copper (Cu)	0.005	0.00049%	7440-50-8	
	Crystal mount		Nickel (Ni)	3.881	0.366%	7440-02-0
			Cobalt (Co)	2.270	0.214%	7440-48-4
			Manganese (Mn)	0.033	0.003%	7439-96-5
			Iron (Fe)	7.035	0.664%	7439-89-6
			Glass frits	9.597	0.905%	65997-18-4
Crystal	Crystal	Silicon Dioxide (SiO2)	6.910	0.652%	14808-60-7	
	Electrode	Silver (Ag)	0.959	0.090%	7440-22-4	
		Adhesive	Silver (Ag)	10.077	0.951%	7440-22-4
		Ethylene glycol monobutyl ether acetate	0.672	0.063%	112-07-2	
		Diethylene glycol monomethyl ether acetate	0.672	0.063%	629-38-9	
		Epoxy Resin	2.015	0.190%		
	Leadframe		Copper (Cu)	32.597	3.075%	7440-50-8
Tin (Sn)			0.570	0.054%	7440-31-5	
Zinc (Zn)			0.005	0.00045%	7440-66-6	
Iron (Fe)			0.005	0.00045%	7439-89-6	
Phosphorus (P)			0.768	0.072%	7723-14-0	
Tin (Sn)			0.118	0.011%	7440-31-5	
Lead (Pb)			0.013	0.001%	7439-92-1	
Silicon (Si)			0.957	0.090%	7440-21-3	
IC		Molybdenum (Mo)	0.000	0.000%	7439-98-7	
		Aluminum (Al)	0.002	0.000%	7429-90-5	
		Gold (Au)	0.001	0.000%	7440-57-5	
		Silicon Dioxide (SiO2)	455.769	42.997%	14464-46-1	
Plastic		Epoxy Resin	88.244	8.325%		
		Aldehyde Resin	72.199	6.811%		
		Bromine (Br)	8.021	0.757%	7726-95-6	
		Antimony Trioxide (Sb2O3)	8.021	0.757%	1309-64-4	
		TOTAL			1060.000	100.000%



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